

WHAT IS CLAIMED IS:

1. A tape printing control device comprising:

character string storage means for storing a character string to be printed on a
5 tape-like print medium;

print range storage means for storing a print range on the tape-like print medium in
which the character string will be printed;

character image generation means for generating a character image in which the
character string stored in the character string storage means is arranged in a width direction of
10 the tape-like print medium; and

print control means for controlling print position of each character image so that the
character image generated by the character image generation means will be printed at both
ends of the print range stored in the print range storage means in regard to a lengthwise
direction of the tape-like print medium.

2. The tape printing control device according to claim 1, wherein the print control
means controls the print position of each character image so that the character image
generated by the character image generation means will be printed at both ends of the print
range stored in the print range storage means in regard to the lengthwise direction of the
20 tape-like print medium and between the ends so as to equalize distances between the character
images.

3. The tape printing control device according to claim 1, further comprising setting
means for setting at least one of the number of the character strings to be arranged in the print
25 range stored in the print range storage means and spacing between the character strings,

wherein the print control means controls the print position so that the character image
will be arranged in both end parts of the print range and between the end parts evenly based
on at least one of the number of the character strings and the spacing between the character
strings set by the setting means.

4. The tape printing control device according to claim 1, wherein when a character
string extending for two or more lines has been stored in the character string storage means,

the character image generation means generates the character image treating the character string of two or more lines as one image.

5. The tape printing control device according to claim 1 or 2, further comprising:

5 first external diameter input means through which an external diameter of a cable-like member can be inputted; and

print range setting means for setting the print range stored in the print range storage means based on the external diameter inputted through the first external diameter input means.

10 6. The tape printing control device according to claim 5, wherein the print control means determines the distance between the character images based on the external diameter inputted through the first external diameter input means.

15 7. The tape printing control device according to claim 1, further comprising character size determination means for determining character size of the character image generated by the character image generation means based on at least one selected from the number of characters of the character string stored in the character string storage means, the number of lines of the character string stored in the character string storage means, size of the print range
20 stored in the print range storage means, an external diameter of a cable-like member, and a width of the tape-like print medium.

8. The tape printing control device according to claim 1, further comprising:

25 second external diameter input means through which an external diameter of a cable-like member can be inputted; and

recommended width determination means for determining a recommended width of the tape-like print medium to be wound around the cable-like member based on the external diameter inputted through the second external diameter input means; and

30 informing means for informing a user of the recommended width determined by the recommended width determination means.

9. The tape printing control device according to claim 1, wherein the print control

means executes print control so that cut marks as marks indicating cutting positions will be printed at both ends of the print range stored in the print range storage means in regard to the lengthwise direction of the tape-like print medium.

5 10. A program that causes a computer to execute:

 a character string storage step for storing a character string to be printed on a tape-like print medium;

 a print range storage step for storing a print range on the tape-like print medium in which the character string will be printed;

10 a character image generation step for generating a character image in which the character string stored by the character string storage step is arranged in a width direction of the tape-like print medium; and

 a print control step for controlling print position of each character image so that the character image generated by the character image generation step will be printed at both ends
15 of the print range stored by the print range storage step in regard to a lengthwise direction of the tape-like print medium.

11. The program according to claim 10, wherein the print control step controls the print position of each character image so that the character image generated by the character image
20 generation step will be printed at both ends of the print range stored by the print range storage step in regard to the lengthwise direction of the tape-like print medium and between the ends so as to equalize distances between the character images.

12. The program according to claim 10, further causing the computer to execute a setting
25 step for setting at least one of the number of the character strings to be arranged in the print range stored by the print range storage step and spacing between the character strings,

 wherein the print control step controls the print position so that the character image will be arranged in both end parts of the print range and between the end parts evenly based
on at least one of the number of the character strings and the spacing between the character
30 strings set by the setting step.

13. The program according to claim 10, wherein when a character string extending for

two or more lines has been stored by the character string storage step, the character image generation step generates the character image treating the character string of two or more lines as one image.

5 14. The program according to claim 10 or 11, further causing the computer to execute a print range setting step for setting the print range stored by the print range storage step based on an inputted external diameter of a cable-like member.

10 15. The program according to claim 14, wherein the print control step determines the distance between the character images based on the inputted external diameter of the cable-like member.

15 16. The program according to claim 10, further causing the computer to execute a character size determination step for determining character size of the character image generated by the character image generation step based on at least one selected from the number of characters of the character string stored by the character string storage step, the number of lines of the character string stored by the character string storage step, size of the print range stored by the print range storage step, an external diameter of a cable-like member, and a width of the tape-like print medium.

20 17. The program according to claim 10, further causing the computer to execute:
a recommended width determination step for determining a recommended width of the tape-like print medium to be wound around a cable-like member based on an inputted external diameter of the cable-like member; and
25 an informing step for informing a user of the recommended width determined by the recommended width determination step.

30 18. The program according to claim 10, wherein the print control step executes print control so that cut marks as marks indicating cutting positions will be printed at both ends of the print range stored by the print range storage step in regard to the lengthwise direction of the tape-like print medium.